

ARCFile Resolver - Overview

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1. What is the aDORe ARCFile Resolver?

This OpenURL Resolver provides an interface through which constituent datastreams of Digital Objects can be requested. This interface is provided for immediate presentation of the disseminations to end-users, and methods from which the disseminations result include functions, such as 'show PDF' and 'play video'. The ARCFile Resolver provides an interface to datastreams that is compliant with the NISO OpenURL Standard. This module provides the following benefits:

- Compliant with the NISO OpenURL Framework
- Standard-based method to extract datastreams from Internet Archive files (ARCFiles)

2. How does the aDORe ARCFile Resolver work?

- Query: Use OpenURL Syntax to access resource.
- Retrieve: Extract datastream from archive.

The resulting output of the ARCFile Resolver:

- Datastream: Byte Stream of requested resource, ready to play or display.

ARCFile Resolver Syntax:

baseURL(ARCfile OpenURL Resolver)?

res_id = ARCfile identifier &

url_ver = Z39.88-2004 &

rft_id = Datastream Identifier

ARCFile Resolver Example:

[http://purl.lanl.gov/aDORe/demo/adore-arcfile-resolver/resolver?](http://purl.lanl.gov/aDORe/demo/adore-arcfile-resolver/resolver?res_id=info:lanl-repo/arc/2002_4b3fdb1e-1ef9-11da-9e1e-d8ccd1d6c8f2&url_ver=Z39.88-2004&rft_id=info:lanl-repo/ds/9b476b87-d86d-40eb-b8bc-bd53fdc0b4e)

res_id=info:lanl-repo/arc/2002_4b3fdb1e-1ef9-11da-9e1e-d8ccd1d6c8f2 &

url_ver=Z39.88-2004 &

rft_id=info:lanl-repo/ds/9b476b87-d86d-40eb-b8bc-bd53fdc0b4e

Figure 1

3. Additional Information

Liu, X., Balakireva, L., Hochstenbach, P., van de Sompel, H. (2005, June).

[File-based storage of Digital Objects and constituent datastreams: XMLTapes and Internet Archive ARC files](#)

Burner, M., Kahle, B (1996, September).

[Arc File Format](#)

